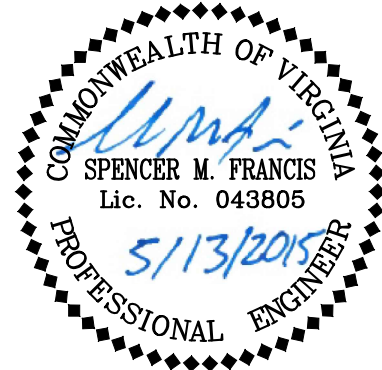
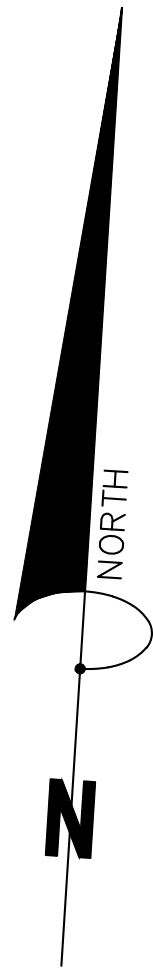


EROSION AND SEDIMENT CONTROL LEGEND

NO.	TITLE	KEY	SYMBOL
3.05	SILT FENCE	SF	- x - x -
3.07	STORM DRAIN INLET PROTECTION	IP	⊗
3.38	TREE PROTECTION	TP	• - • - • -



Bowman
CONSULTING

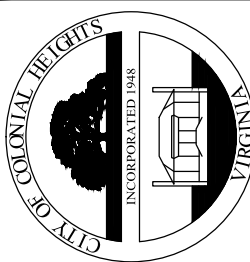
Bowman Consulting Group, Ltd.

www.bowmanconsulting.com

Bowman Consulting Group, Ltd.
3951 Westerre Parkway
Suite 150
Richmond, Virginia 23233
Phone: (804) 616-3240
Fax: (804) 270-2008

SUBMITTAL DATE
05/13/2015

DATE	REVISION
05/01/2015	PROGRESS SET
05/06/2015	BID SET
05/13/2015	FINAL BID SET

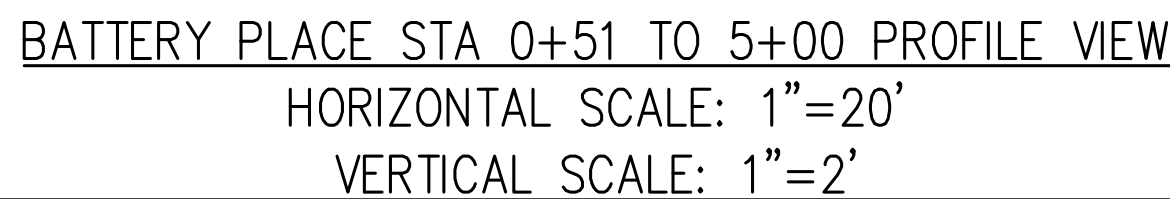


DRAWN
DF, JD, JF, JW, MT
DESIGNED
DF, JW, MT
CHECKED
SF, JJ
SCALE
1" = 40'

CITY OF COLONIAL HEIGHTS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & DEVELOPMENT DIVISION

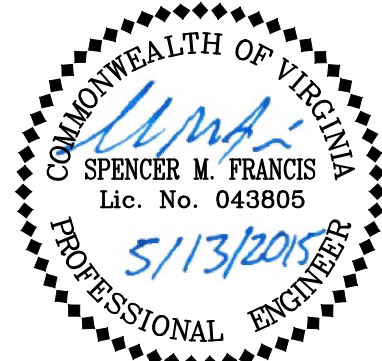
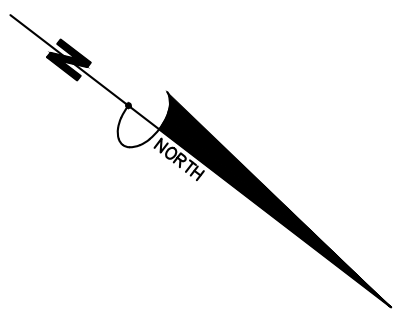
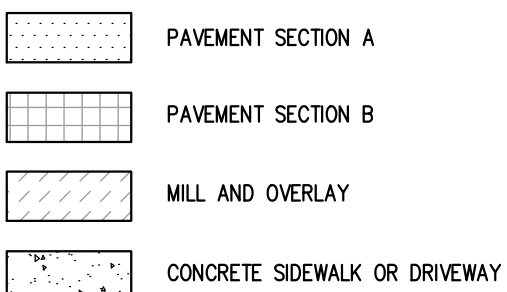
BRUCE AVENUE DRAINAGE IMPROVEMENTS
PHASE 2 EROSION CONTROL PLAN

SHEET NO.
21 OF 31



NOTES

1. CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AS NEEDED TO INSTALL THE PROPOSED STORM SEWER. IF NECESSARY, ALL UTILITY CONFLICTS ARE DISCOVERED THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
2. ALL EXISTING MANHOLES AND VALVE BOXES SHALL BE BROUGHT TO PROPOSED GRADE.
3. INSTALL STD. DRIVEWAY ENTRANCE APRONS AS SHOWN, TIE TO EXISTING GRADE AT RIGHT-OF-WAY.
4. REMOVE AND REPLACE SIDEWALK AS SHOWN, TIE TO EXISTING GRADE, LONGITUDINAL SLOPE TO BE NO GREATER THAN 5%.
5. REMOVE AND REPLACE EXISTING PAVEMENT AS SHOWN, SEE TYPICAL SECTIONS AND ROADWAY PROFILES FOR DETAILS.



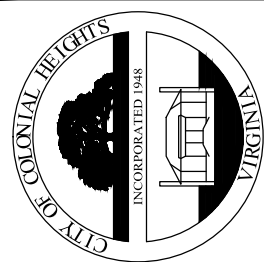
Bowman
CONSULTING

www.bowmanconsulting.com

Bowman Consulting Group, Ltd.
3951 Westerre Parkway
Suite 150
Richmond, Virginia 23233
Phone: (804) 616-3240
Fax: (804) 270-2008

SUBMITTAL DATE

DATE	REVISION
05/01/2015	PROGRESS SET
05/06/2015	BID SET
05/13/2015	FINAL BID SET



DRAWN DF, JD, JF, JW, M
DESIGNED DF, JW, MT
CHECKED SF, JJ
SCALE 1" = 20'

CITY OF COLONIAL HEIGHTS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & DEVELOPMENT DIVISION

BATTERY PLACE STA 00+51 TO STA 5+00

SHEET NO.
22 OF 31

MATCHLINE STA 5+00 SEE SHT 22

Map # 3000010F012
Cynthia Evelyn Perce
217 Battery Place

Map # 3000010F010
JANESHWAR UPADHYAY
& PURNIMA UPADHYAY
223 Battery Place

Map # 3000010F008
EVELYN J COLLINS
227 Battery Place

Map # 3000010F006
THOMAS ALLAN GRUWELL
231 Battery Place

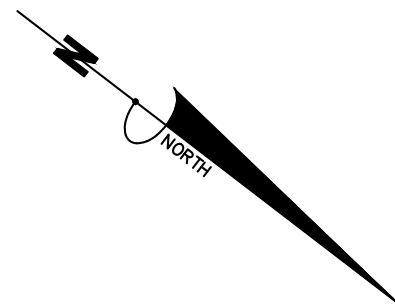
Map # 3000010F003
ROBERT R STRATIFF
235 Battery Place

Map # 3100040A006
WALTER M & MELANIE R
GERHEART
237 Battery Place

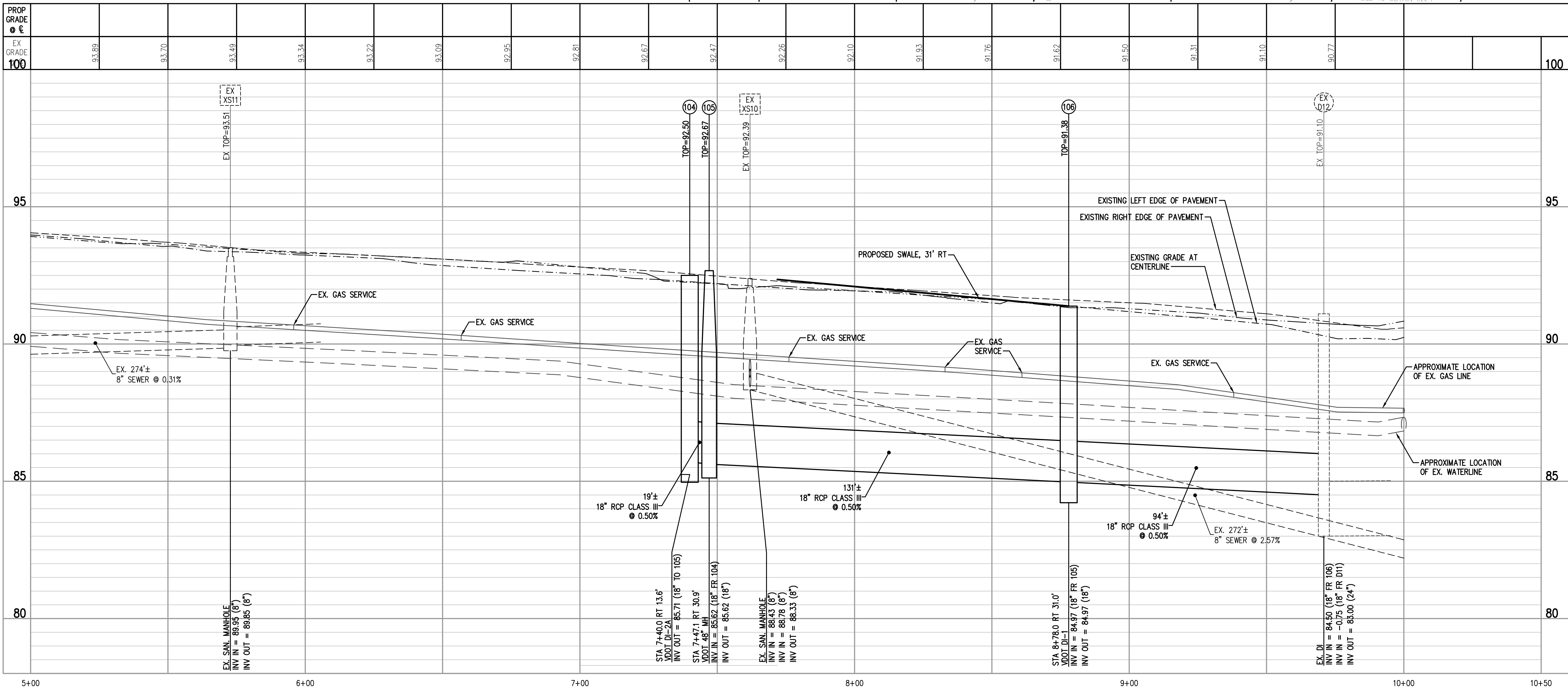
NOTES

1. CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AS NEEDED TO INSTALL THE PROPOSED STORM SEWER. IF VERTICAL CONFLICTS ARE DISCOVERED THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
2. ALL EXISTING MANHOLES AND VALVE BOXES SHALL BE BROUGHT TO PROPOSED GRADE.
3. INSTALL STD. DRIVEWAY ENTRANCE APRONS AS SHOWN, TIE TO EXISTING GRADE AT RIGHT-OF-WAY.
4. REMOVE AND REPLACE EXISTING PAVEMENT AS SHOWN, SEE TYPICAL SECTIONS AND ROADWAY PROFILES FOR DETAILS.
5. SEE SHEET 29 FOR WATER MAIN PLAN AND PROFILE NOTES.

- PAVEMENT SECTION A
- PAVEMENT SECTION B
- MILL AND OVERLAY
- CONCRETE SIDEWALK OR DRIVEWAY



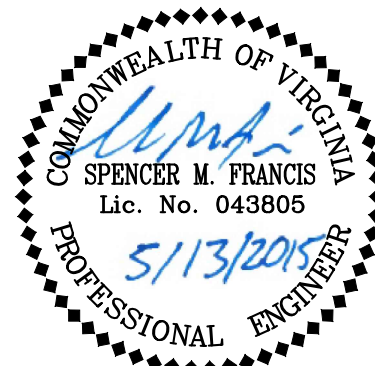
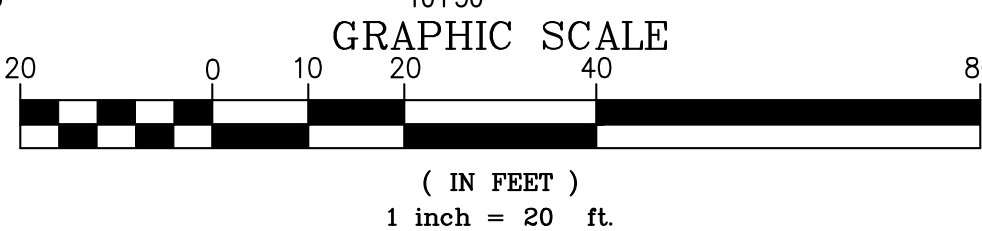
FOR CONTINUATION SEE SHT 24



BATTERY PLACE STA 5+00 TO 10+00 PROFILE VIEW

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=2'



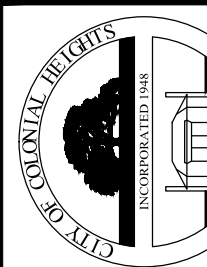
Bowman
CONSULTING

www.bowmanconsulting.com

Bowman Consulting Group, Ltd.
3951 Westerre Parkway
Suite 150
Richmond, Virginia 23233
Phone: (804) 616-3240
Fax: (804) 270-2008

SUBMITTAL DATE
05/13/2015

DATE	REVISION
05/01/2015	PROGRESS SET
05/06/2015	BID SET
05/13/2015	FINAL BID SET

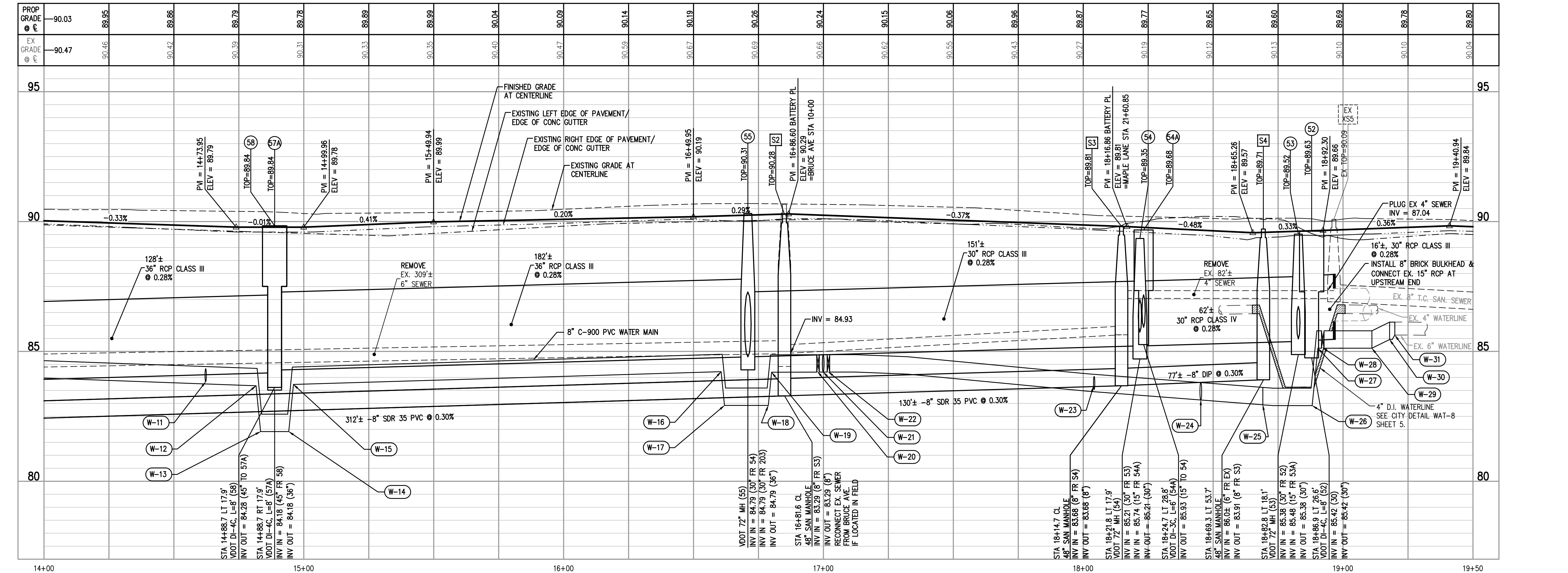
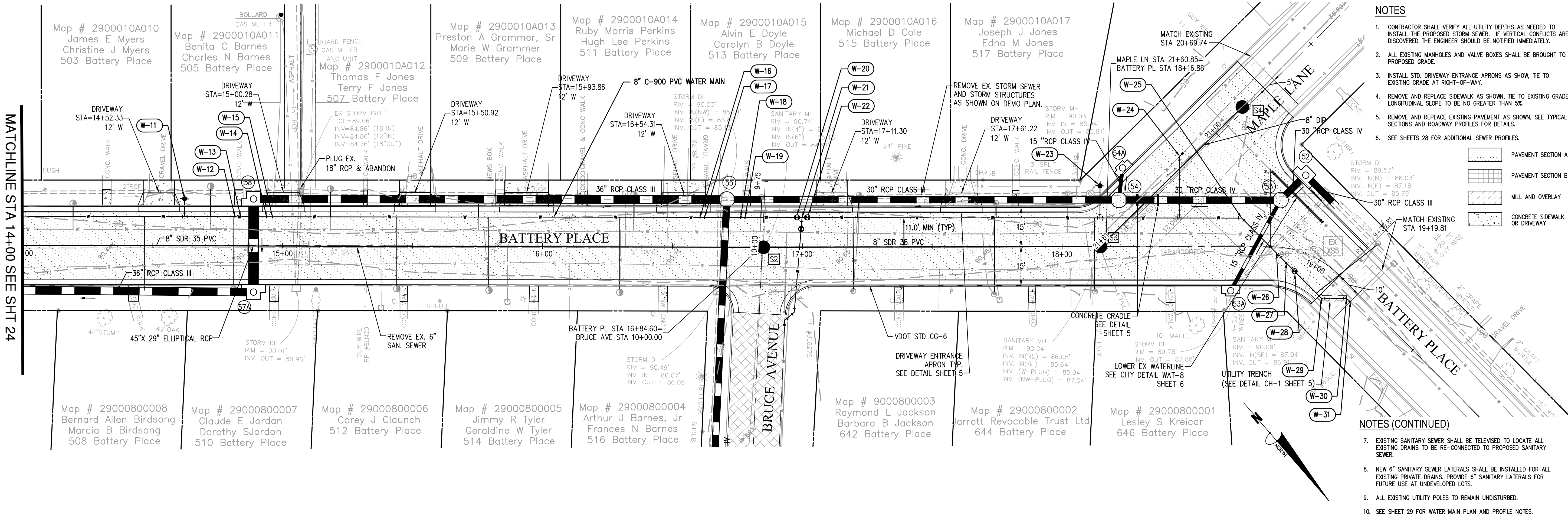


DRAWN
DF, JD, JF, JW, MT
DESIGNED
DF, JW, MT
CHECKED
SF, JJ
SCALE
1" = 20'

CITY OF COLONIAL HEIGHTS
DEPARTMENT OF PUBLIC WORKS
ENGINEERING & DEVELOPMENT DIVISION

BRUCE AVENUE DRAINAGE IMPROVEMENTS
BATTERY PLACE STA 5+00 TO STA 10+00

SHEET NO.
23 OF 31



NOTE: PLEASE SEE STORM SEWER PROFILE SHEETS 28 FOR MORE INFORMATION

BATTERY PLACE STA 14+00 TO STA 19+50 PROFILE VIEW

HORIZONTAL SCALE: 1"=20'

VERTICAL SCALE: 1"=2'

GRAPHIC SCALE

(IN FEET)

1 inch = 20 ft.

- NOTES
- CONTRACTOR SHALL VERIFY ALL UTILITY DEPTHS AS NEEDED TO INSTALL THE PROPOSED STORM SEWER. IF VERTICAL CONFLICTS ARE DISCOVERED THE ENGINEER SHOULD BE NOTIFIED IMMEDIATELY.
 - ALL EXISTING MANHOLES AND VALVE BOXES SHALL BE BROUGHT TO PROPOSED GRADE.
 - INSTALL STD. DRIVEWAY ENTRANCE APRONS AS SHOWN, TIE TO EXISTING GRADE AT RIGHT-OF-WAY.
 - REMOVE AND REPLACE SIDEWALK AS SHOWN, TIE TO EXISTING GRADE. LONGITUDINAL SLOPE TO BE NO GREATER THAN 5%.
 - REMOVE AND REPLACE EXISTING PAVEMENT AS SHOWN, SEE TYPICAL SECTIONS AND ROADWAY PROFILES FOR DETAILS.
 - SEE SHEETS 28 FOR ADDITIONAL SEWER PROFILES.

- PAVEMENT SECTION A
- PAVEMENT SECTION B
- MILL AND OVERLAY
- CONCRETE SIDEWALK OR DRIVEWAY

- NOTES (CONTINUED)
- EXISTING SANITARY SEWER SHALL BE TELEVIEWED TO LOCATE ALL EXISTING DRAINS TO BE RE-CONNECTED TO PROPOSED SANITARY SEWER.
 - NEW 6" SANITARY SEWER LATERALS SHALL BE INSTALLED FOR ALL EXISTING PRIVATE DRAINS. PROVIDE 6" SANITARY LATERALS FOR FUTURE USE AT UNDEVELOPED LOTS.
 - ALL EXISTING UTILITY POLES TO REMAIN UNDISTURBED.
 - SEE SHEET 29 FOR WATER MAIN PLAN AND PROFILE NOTES.

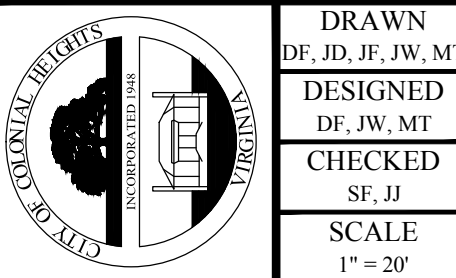


Bowman

CONSULTING

Bowman Consulting Group, Ltd.
3951 Westwester Parkway
Suite 150
Richmond, Virginia 23233
Phone: (804) 616-3240
Fax: (804) 270-2008

SUBMITTAL DATE	
05/13/2015	
DATE	REVISION
05/01/2015	PROGRESS SET
05/06/2015	BID SET
05/13/2015	FINAL BID SET



CITY OF COLONIAL HEIGHTS

DEPARTMENT OF PUBLIC WORKS

ENGINEERING & DEVELOPMENT DIVISION

BATTERY PLACE STA 14+00 TO STA 19+50

SHEET NO. 25 OF 31